



Docket No.:

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jin Yeal CHOI

Serial No. 09/878,321

: Group Art Unit: 2875

Confirm. No.: 2126

: Examiner: Dalei DONG

Filed: June 12, 2001

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For: ELECTRON GUN FOR A COLOR BRAUN-TUBE

SUBMISSION OF SUBSTITUTE ABSTRACT

Assistant Commissioner for Patents
Washington, D. C. 20231

RECEIVED
MAR 13 2003
TECHNOLOGY CENTER 2800

Sir:

Please replace the Abstract with the Substitute Abstract submitted herewith. If any fees are required, please charge them to Deposit Account No. 16-0607 and advise the undersigned accordingly.

Respectfully submitted,
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ABSTRACT

An electron gun in a color CRT is provided for minimizing noise, spark, and neck damage in the CRT. The electron gun includes a plurality of stem pins for applying different voltages, an acceleration electrode, a third electrode, a fourth electrode, and a static electrode for forming pre-focus lenses. The electron gun also includes a dynamic electrode and an anode for forming a main focus lens. The static electrode and the dynamic electrode form a quadrupole lens. The electron gun also includes a bead glass for holding the foregoing electrodes at fixed distances, a wire having one end welded to the dynamic electrode and the other end welded to the stem pin with a dynamic voltage applied thereto, and a body of the wire between the one end and the other end of the wire, wherein the body of the wire is arranged so as not to pass through between an outer surface of the bead glass and an inner surface of the neck tube.
